

Title (en)  
Infinitely variable transmission

Title (de)  
Stufenloses Getriebe

Title (fr)  
Variateur continu de vitesse

Publication  
**EP 1239187 A2 20020911 (EN)**

Application  
**EP 02004778 A 20020301**

Priority  
JP 2001062938 A 20010307

Abstract (en)  
A continuously variable transmission (2) has a first helical gear (204A) for its rotation output. The fixed speed ratio transmission (3) has a second helical gear (203B) for its rotation output. The third helical gear (207) rotates according to the difference of the rotation speeds of the first helical gear (204A) and second helical gear (203B). These helical gears rotate on a same rotation shaft (204). One of the three helical gears positioned between the other two helical gears applies a bending moment on the rotation shaft (204) due to a radial force given by a gear meshed therewith. The direction of the tooth trace of the other two helical gears is set so that at least one of them produces a bending moment in an opposite direction to the first bending moment. <IMAGE>

IPC 1-7  
**F16H 37/08**

IPC 8 full level  
**F16H 55/17** (2006.01); **F16H 37/02** (2006.01); **F16H 37/08** (2006.01)

CPC (source: EP US)  
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Cited by  
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**EP 02004778 A 20020301**; JP 2001062938 A 20010307; US 8339602 A 20020227